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Total Number of Pages in This Submission

12

Application Number

10/648,687

Filing Date

08/25/2003

First Named Inventor

Robert Sigurd Nelson

Art Unit

2878

Examiner Name

Christine Sung

Attorney Docket Number

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
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Remarks

Cover letter = 1 page
Response to Examiner = 11 pages

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name			
Signature	<i>Robert Sigurd Nelson</i>		
Printed name	Robert Sigurd Nelson		
Date	12-16-2005	Reg. No.	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of:

NELSON, ROBERT S. et al.

Application No.: 10/648,687

Submitted: 8-25-2003

Title: DEVICE AND SYSTEM FOR ENHANCED SPECT, PET, AND
COMPTON SCATTER IMAGING IN NUCLEAR MEDICINE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

December 16, 2005

Dear Sirs,

Please find enclosed an 11 page document in response to the Office
Action of November 30, 2005 (Examiner Christine Sung, Art Unit 2878).
The title of the application is:

"DEVICE AND SYSTEM FOR ENHANCED SPECT, PET, AND COMPTON SCATTER
IMAGING IN NUCLEAR MEDICINE".

Application No. 10/648,687 (filed 8-25-2003).
Inventors are 1. Robert Sigurd Nelson and 2. William Bert Nelson.

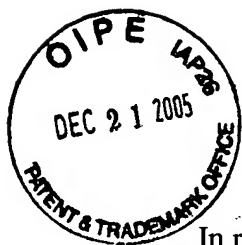
If there are any questions I can be contacted by
email (rnelson@mail.sdsu.edu) or by phone (619-594-1013).

Sincerely,

Robert Sigurd Nelson
Robert Sigurd Nelson

12-16-2005
Date

Robert S. Nelson
2922 Upshur Street
San Diego, California 92106



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Appl. No. : 10/648,687
Applicants : Robert Sigurd Nelson, William Bert Nelson
Filing Date : August 25, 2003
Examiner : Christine Sung (571-272-2448)
Art Unit : 2878
Title : DEVICE AND SYSTEM FOR ENHANCED SPECT, PET, AND
COMPTON SCATTER IMAGING IN NUCLEAR MEDICINE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

December 16, 2005

Dear Ms. Sung:

In response to the Office Action dated November 30, 2005 for application 10/648,687 please find enclosed a revised set of remarks that address the objections to our prior response (September 7, 2005) to the Office Action dated August 10, 2005.

REMARKS

The following remarks address the Examiner's objections regarding claims 1-23:

1. Response to item 1, Examiner's objection to the claim 9 limitation "the detector layers" in lines 1-2. Examiner states that there is insufficient antecedent for this limitation in the claim. Applicants note that this term "detector layers" is used within the pending patent application to refer to detectors within a "stack", that is, detectors that are stacked on top of other detectors as seen by the incident radiation (p. 36, lines 19-22 and p. 37, lines 1-2; p. 47, lines 2-14). Figure 2 of Disclosure document 513200 (6-12-2002) shows a stack of two detectors.
2. Response to item 3, Examiner's objections to claims 1 as being anticipated by El-Hanany, et al. (US Pre-grant publication 20030010924 A1). Regarding claim 1, examiner states that El Hanany discloses an enhanced Compton gamma camera used in nuclear medicine (claim 10) comprising a plurality of detector modules (claim 11) wherein each module includes: at least one edge-on radiation detector (Figure 3A); a communication link (elements 114, 118, and 124) for transferring data between the module and a computer system. Applicants note that El Hanany's claims 10,11 refer to "two detector assemblies" required for PET coincidence